100

Fig. 1

Step 0. Invalidate all the links in the networks with available bandwidth less than a target streaming rate. Measure QoS metrics of links, and maintain link and path correlation matrices based on the QoS metrics.

Step 1. Find the first shortest path based on the QoS metrics.

Step 2. Update the available bandwidth of each link by previous selected paths. Invalidate links with available bandwidth less than the target streaming rate.

Step 3. Calculate the new correlation cost for each link with respect to the selected links.

Step 4. Use a cost function to combine the path correlation matrix and the QoS metrics into an updated cost for each link.

Step 5. Find the shortest path based on the updated cost.

Repeat step 2 –5 until all required paths are found.

_200_

Fig. 2